

Notes

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- This drawing should be read in conjunction with all other relevant drawings and specifications.

SECTION 104 KEY

- PROPOSED HIGHWAY DRAIN
- PROPOSED ADOPTABLE FOUL WATER SEWER
- PROPOSED GULLY CONNECTION
- SITE BOUNDARY
- SOAKAWAY TEST LOCATIONS
- SA06 HIGHWAY IMPERMEABLE AREA (TO HIGHWAY DRAIN)
- PP 01 PRIVATE IMPERMEABLE AREA (TO PRIVATE PERMEABLE PAVING)
- PP 01 PRIVATE PERMEABLE PAVING AREA
- PP H1 HIGHWAY PERMEABLE PAVING AREA

NOTE:

Permeable paving calculations have been based on a slope optimisation of 1:300 for the sub-base unless otherwise stated.

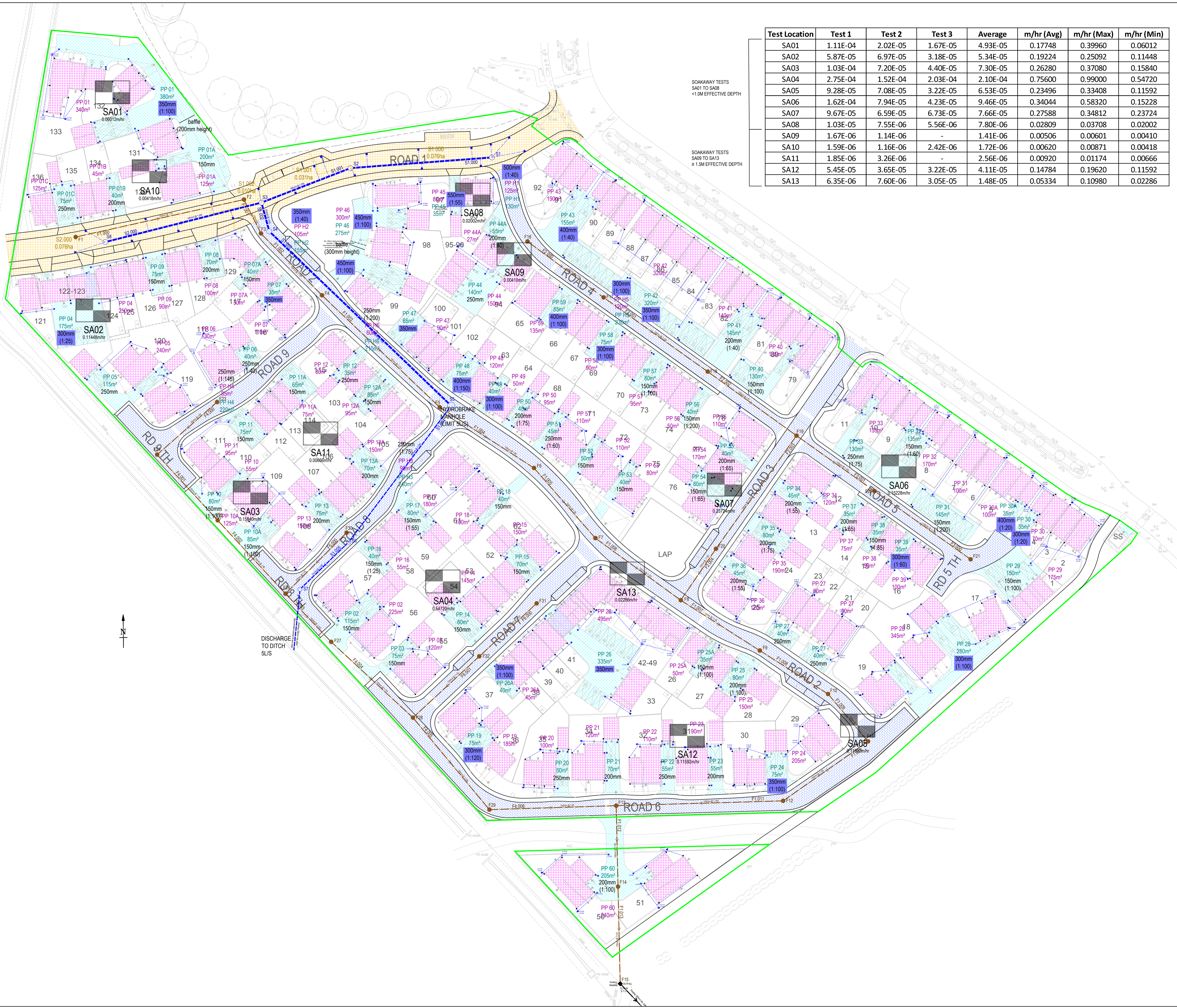
Permeable sub-base depths stated on this drawing are minimum depths based on no flooding in a 100 year return period (+30% climate change) event. Sub-base depths are the minimum depths based on hydraulic requirements only.

Increased sub-base depths are required where by the design (refer to relevant detail drawings) or where the subgrade is poor. Increased sub-base depths may also be required in some private drive locations to achieve minimum cover and gradients to incoming stormwater pipes.

Test Location	Test 1	Test 2	Test 3	Average	m/hr (Avg)	m/hr (Max)	m/hr (Min)
SA01	1.11E-04	2.02E-05	1.67E-05	4.93E-05	0.17748	0.39960	0.06012
SA02	5.87E-05	6.97E-05	3.18E-05	5.34E-05	0.19224	0.25092	0.11448
SA03	1.03E-04	7.20E-05	4.40E-05	7.30E-05	0.26280	0.37080	0.15840
SA04	2.75E-04	1.52E-04	2.03E-04	2.10E-04	0.75600	0.99000	0.54720
SA05	9.28E-05	7.08E-05	3.22E-05	6.53E-05	0.23496	0.33408	0.11592
SA06	1.62E-04	7.94E-05	4.23E-05	9.46E-05	0.34044	0.58320	0.15228
SA07	9.67E-05	6.59E-05	6.73E-05	7.66E-05	0.27588	0.34812	0.23724
SA08	1.03E-05	7.55E-06	5.56E-06	7.80E-06	0.02809	0.03708	0.02002
SA09	1.67E-06	1.14E-06	-	1.41E-06	0.00506	0.00601	0.00410
SA10	1.59E-06	1.16E-06	2.42E-06	1.72E-06	0.00620	0.00871	0.00418
SA11	1.85E-06	3.26E-06	-	2.56E-06	0.00920	0.01174	0.00666
SA12	5.45E-05	3.65E-05	3.22E-05	4.11E-05	0.14784	0.19620	0.11592
SA13	6.35E-06	7.60E-06	3.05E-05	1.48E-05	0.05334	0.10980	0.02286

SOAKAWAY TESTS
SA01 TO SA09
< 1.0M EFFECTIVE DEPTH

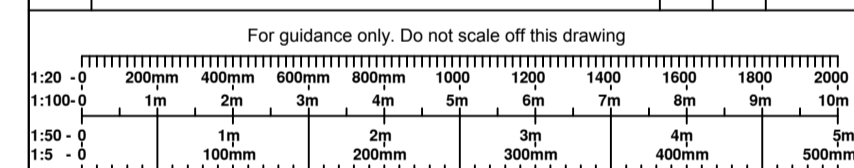
SOAKAWAY TESTS
SA10 TO SA13
> 1.5M EFFECTIVE DEPTH



P2 Updated to latest base layout. JB KMc 26.09.16

P1 FIRST ISSUE JB KMc 18.08.16

Rev	Description	By	Ckd	Date



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Client **Bellway**

Project Kingsmere, Bicester
KM5 & KM22

Title Drainage Overview
Highway Drainage, Foul Sewer
and Soakaway Design

Status	Scale	Date Created
Preliminary	1:500 @A1	18.08.2016
Project Leader	Drawn By	Checked by
KMc	JB	KMc

Drawing Number	Rev
JKK8310 _119	P2